



Form PTO-1449

INFORMATION DISCLOSURE CITATION
IN AN APPLICATION

(Use several sheets if necessary)

Docket Number 220772010800

Application Number 10/715,722

Applicant

Ralph A. DALLA BETTA et al.

Filing Date November 17, 2003

Group Art Unit ~~3616~~ 3748Mailing Date May 26, 2004

U.S. PATENT DOCUMENTS

Examiner Initials	Ref. No.	Date	Document No.	Name	Class	Subclass	Filing Date If Appropriate
BS	1.	11/15/2001	2001/041153	Uwe			
BS	2.	04/04/2002	2002/038542	Hiroshi et al.			

FOREIGN PATENT DOCUMENTS

Examiner Initials	Ref. No.	Date	Document No.	Country	Class	Subclass	Translation YES NO
BS	3.	06/05/2002	EP 1 211 394	Europe			
	4.	09/13/2001	DE 100 18 792	Germany			Abstract
✓	5.	08/10/1988	JP 63-68714	Japan			Abstract

OTHER DOCUMENTS

(including author, title, Date, Pertinent Pages, Etc.)

Examiner Initials	Ref. No.	Title
BS	6.	Jones M. R. et al. (1993). "Exhaust-Gas Reforming of Hydrocarbon Fuels," <i>Sae Technical Paper Series, Society of Automotive Engineers, Warrendale, PA.</i> pp. 223-233.
BS	7.	International Search Report mailed on April 26, 2004, for PCT patent application no. PCT/US03/37022 filed on November 17, 2003, 7 pages.

EXAMINER: BINH Q. TRAN

DATE CONSIDERED: 09/01/2005

EXAMINER: Initial if citation considered, whether or not the citation conforms with MPEP 609. Draw a line through the citation if not in conformance and not considered. Include a copy of this form with next communication to applicant.

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Examiner Initials	Ref. No.	Date	Document No.	Name	Class	Subclass	Filing Date If Appropriate
B5	1.	03/14/2002	2002/0031690	Shimazu et al.	—	—	—
↓	2.	08/03/1993	5,232,357	Dalla Betta et al.	↓	↓	↓
↓	3.	10/05/1993	5,250,489	Dalla Betta et al.	↓	↓	↓
↓	4.	11/09/1993	5,259,754	Dalla Betta et al.	↓	↓	↓
↓	5.	08/15/1995	5,441,401	Yamaguro et al.	↓	↓	↓
↓	6.	10/17/1995	5,458,857	Collins et al.	↓	↓	↓
↓	7.	04/30/1996	5,512,250	Betta et al.	↓	↓	↓
↓	8.	07/13/1999	5,921,076	Krutzsch et al.	↓	↓	↓
↓	9.	09/14/1999	5,950,932	Takeda et al.	↓	↓	↓
↓	10.	10/19/1999	5,968,463	Shelef et al.	↓	↓	↓
↓	11.	11/09/1999	5,979,866	Baxter et al.	↓	↓	↓
↓	12.	08/29/2000	6,109,018	Rostrup-Nielsen et al.	↓	↓	↓
↓	13.	12/19/2001	6,161,378	Hanaoka et al.	↓	↓	↓
↓	14.	12/26/2000	6,165,633	Negishi	↓	↓	↓
↓	15.	01/02/2001	6,168,098	Brinn, Jr.	↓	↓	↓
↓	16.	01/16/2001	6,174,504	Silver et al.	↓	↓	↓
↓	17.	01/23/2001	6,176,078	Balko et al.	↓	↓	↓
↓	18.	07/31/2001	6,267,792	Nagamiya et al.	↓	↓	↓
↓	19.	09/24/2002	6,454,192	Perry	↓	↓	↓

FOREIGN PATENT DOCUMENTS

Examiner Initials	Ref. No.	Date	Document No.	Country	Class	Subclass	Translation YES NO
B5	20.	04/21/1993	EP 0 537 968	Europe	—	—	
↓	21.	04/25/2001	EP 1 094 206	Europe	—	—	
↓	22.	05/17/2001	WO 01/34950	WIPO	—	—	

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Applicant

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BS	23.	10/04/2001	WO 01/73878	WIPO				Abstract	
BS	24.	01/17/2002	WO 02/04346	WIPO					
BS	25.	06/13/2002	WO 02/45839	WIPO					

OTHER DOCUMENTS

(including author, title, Date, Pertinent Pages, Etc.)

Examiner • Initials	Ref. No.	Title
BS	26.	Christensen, T. S. et al. (1994). "Improve Syngas Production Using Autothermal Reforming," <i>Hydrocarbon Processing</i> 73:39-41.
	27.	Costa, C. N. et al. (2001). "An Investigation of the NO/H ₂ /O ₂ (Lean-deNO _x) Reaction on a Highly Active and Selective Pt/La _{0.5} Ce _{0.5} MnO ₃ Catalyst," <i>J. of Catalysis</i> 197(2):350-364.
	28.	Heck, R. M. et al., eds. (1995). "The Preparation of Catalytic Materials: Carriers, Active Components, and Nonolithic Substrates," Chapter 2 <i>In Catalytic Air Pollution Control: Commercial Technology</i> . Van Nostrand Reinhold pp. 19-27 (Includes Table of Contents).
	29.	Hepburn, J. S. et al. (1996). "Experimental and Modeling Investigations of NO _x Trap Performance," <i>SAE Technical Paper Series</i> 962051:1-23.
	30.	Machida, M. et al. (2001). "Low Temperature Catalytic NO _x -H ₂ Reactions Over Pt/TiO ₂ -ZrO ₂ In an Excess Oxygen," <i>Applied Catalysis B Environmental</i> 35:107-116.
	31.	Miyoshi, N. et al. (1995). "Development of New Concept Three-Way Catalyst for Automotive Lean-Burn Engines," <i>SAE Technical Paper Series</i> 950809:121-130.
✓	32.	Shelef, M. (1995). "Selective Catalytic Reduction of NO _x with N-Free Reductants," <i>Chem Rev</i> 95:209-225.

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